

Content Standard

**1.1**

**First Grade**

*Conceptual Theme: Forces and Motion*

**The sun appears to move across the sky in the same way every day, but its path changes gradually over the seasons.**

*Guiding Question: What makes objects move the way they do?*

Concepts	Focus Questions	Expected Content Performance	Expected Inquiry Performance	Instructional Resources and Technology	Assessment
An object's position can be described by locating it relative to another object or the background.	How can we describe an object's position?	Describe an object's position by locating it relative to another object or the background.	A INQ.1 A INQ.2 A INQ.3 A INQ.4 A INQ.6 A INQ.7 A INQ.8	FOSS - Air & Weather (Inv. 4)	
An object's motion can be described by tracing and measuring its position over time.	How can we describe an object's motion over time?	Describe an object's motion by tracing and measuring its position over time.	A INQ.1 A INQ.2 A INQ.3 A INQ.4 A INQ.6 A INQ.7 A INQ.8	FOSS - Air & Weather (Inv. 4)	
The motion of objects can be changed by pushing and pulling.	How can we make things move?	<b>A 10. Describe how the motion of objects can be changed by pushing and pulling.</b>	A INQ.1 A INQ.2 A INQ.3 A INQ.4 A INQ.6 A INQ.9	FOSS - Air & Weather (Inv. 1,3)	
The length and direction of shadows changes during the day due to the apparent movement of the sun across the sky.	How does the sun appear to move across the sky? How does the sun's position affect shadows?	<b>A 11. Describe the apparent movement of the sun across the sky and the changes in the length and direction of shadows during the day.</b>	A INQ.1 A INQ.2 A INQ.3 A INQ.4 A INQ.6 A INQ.7 A INQ.8	FOSS - Air & Weather (Inv. 4)	

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**1.2**

**Living things have different structures and behaviors that allow them to meet their basic needs.**

**First Grade**

*Conceptual Theme: **Structure and Function***

*Guiding Question: **How are organisms structured to ensure efficiency and survival?***

Concepts	Focus Questions	Expected Content Performance	Expected Inquiry Performance	Instructional Resources and Technology	Assessment
<b>Animals need air, water and food to survive.</b>	What do animals need to survive? How do animals get what they need to survive?	<b>A 12. Describe different ways that animals including humans, obtain water and food.</b>	A INQ.1 A INQ.2 A INQ.4 A INQ.5 A INQ.6	FOSS - Insects (Inv. 1, 2, 3, 4, 5, 6)	
Animals, including humans, have structures that enable them to move around.	How do animals (including humans) move. What special structures do animals use to move?	<b>A 14. Describe the structures that animals, including humans, use to move around.</b>	A INQ.1 A INQ.2 A INQ.3 A INQ.4 A INQ.5 A INQ.6	FOSS - Insects (Inv. 1, 2, 3, 4, 5, 6)	
		<i>Note: A 13 is addressed in Second Grade</i>			

Content Standard

### 1.3

**Living things have different structures and behaviors that allow them to meet their basic needs.**

## First Grade

*Conceptual Theme: Structure and Function*

*Guiding Question: How are organisms structured to ensure efficiency and survival.*

Concepts	Focus Questions	Expected Content Performance	Expected Inquiry Performance	Instructional Resources and Technology	Assessment
<b><u>Some organisms undergo metamorphosis during their life cycles; other organisms grow and change, but their basic form stays essentially the same.</u></b>	How do animals change as they undergo metamorphosis?	<b>A 15. Describe the changes in organisms, such as frogs and butterflies, as they undergo metamorphosis.</b>	A INQ.1 A INQ.2 A INQ.4 A INQ.5 A INQ.6	FOSS - Insects (Inv. 1, 2, 4, 5)	
<b><u>Some organisms undergo metamorphosis during their life cycles; other organisms grow and change, but their basic form stays essentially the same.</u></b>	How do animals that don't metamorphose change as they grow?	<b>A 16. Describe the life cycles of organisms that grow but do not metamorphose.</b>	A INQ.1 A INQ.2 A INQ.4 A INQ.5 A INQ.6	FOSS - Insects (Inv. 3)	

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**1.4**

**First Grade**

*Conceptual Theme: Science and Technology in Society*

**The properties of materials and organisms can be described more accurately through the use of standard measuring units.**

*Guiding Question: How do science and technology affect the quality of our lives?*

Concepts	Focus Questions	Expected Content Performance	Expected Inquiry Performance	Instructional Resources and Technology	Assessment
<p><b>Various tools can be used to measure, describe and compare different objects and organisms.</b></p>	<p>How can we compare the sizes and weights of objects and organisms? How can we use tools to measure the sizes and weights of objects and organisms?</p>	<p><b>A 17. Estimate, measure and compare the sizes and weights of different objects and organisms using standard and nonstandard measuring tools.</b></p>	<p>A INQ.1 A INQ.2 A INQ.3 A INQ.4 A INQ.6 A INQ.7 A INQ.8</p>	<p>STC - Comparing &amp; Measuring STC - Balancing &amp; Weighing - Air and Weather</p> <p>FOSS</p>	